FIG. 1

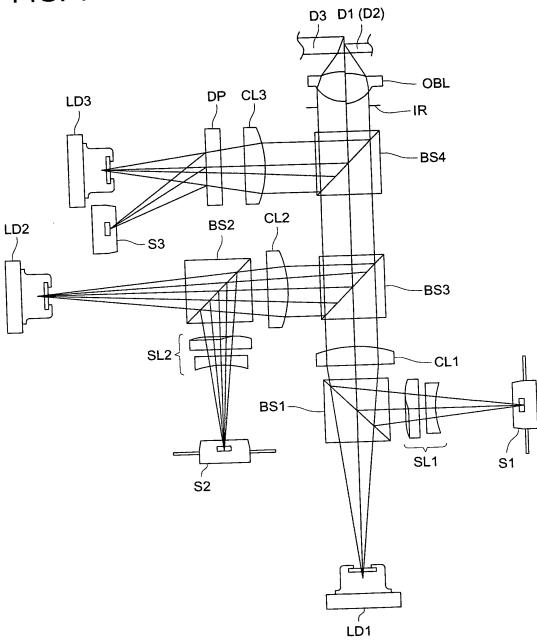


FIG. 2

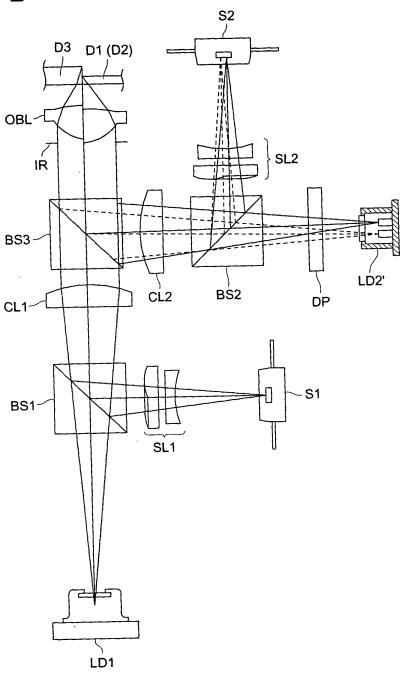


FIG. 3

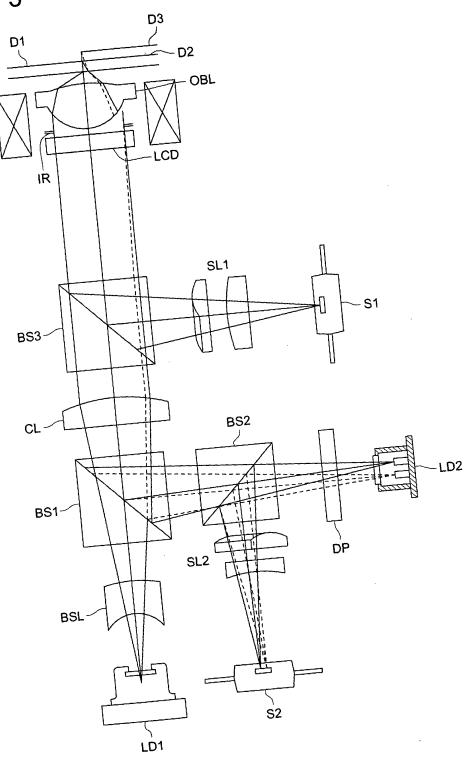


FIG. 4

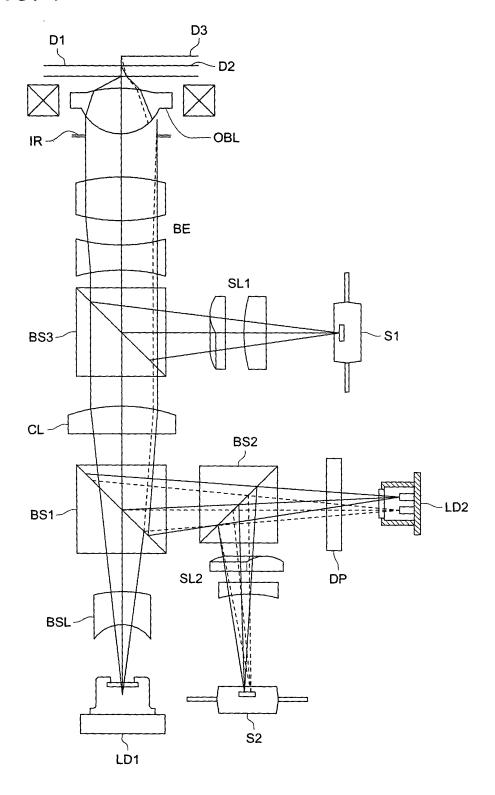


FIG. 5

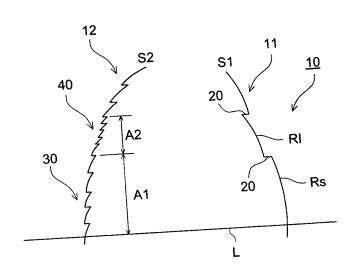
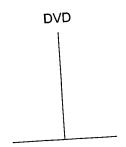


FIG. 6 (a)

FIG. 6 (b)

FIG. 6 (c)

HIGH DENSITY OPTICAL DISC



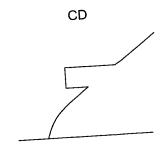
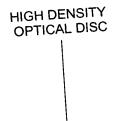
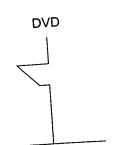


FIG. 7 (a)

FIG. 7 (b)

FIG. 7 (c)





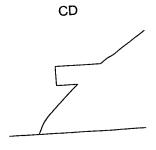


FIG. 8

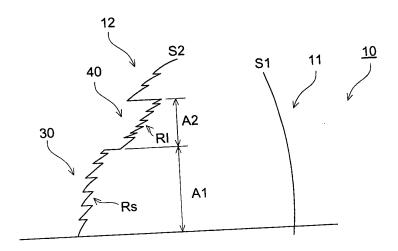


FIG. 9

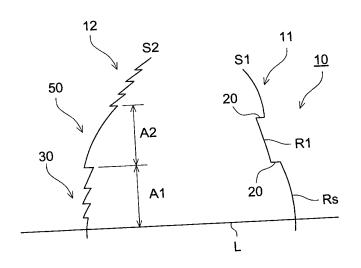


FIG. 10 (a) FIG. 10 (b) FIG. 10 (c)

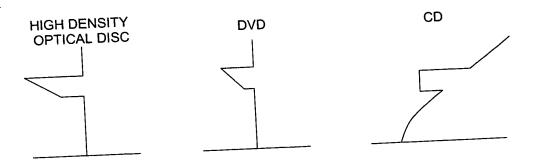


FIG. 11

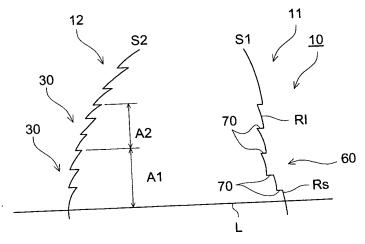


FIG. 12 (a) FIG. 12 (b) FIG. 12 (c)

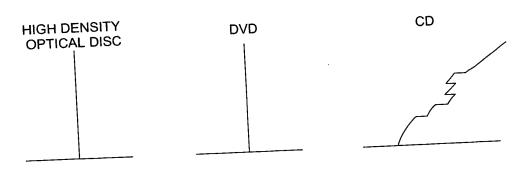


FIG. 13 (a)

FIG. 13 (b)

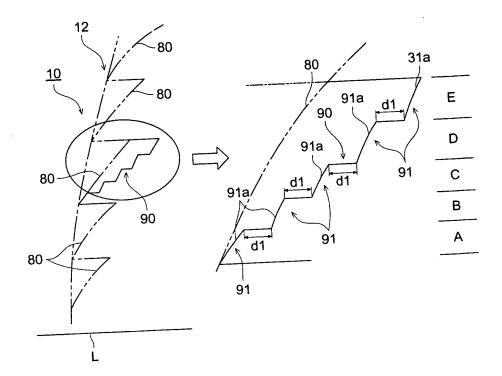


FIG. 14

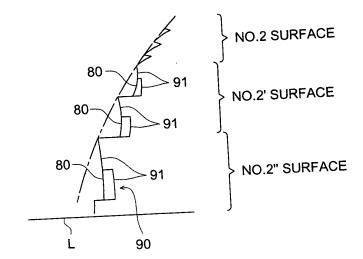
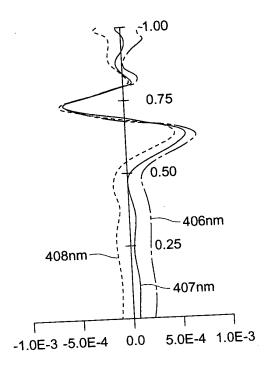


FIG. 15



### FIG. 16

#### EXAMPLE 1

## WAVE-FRONT ABERRATION AND DIFFRACTION EFFICIENCY FOR EACH FORMAT

	ADD	DVD	CD
WAVE-FRONT ABERRATION	0.009 λ rms	0.014 λ rms	0.014 λ rms
DIFFRACTION	96%	85%	46%

FIG. 17

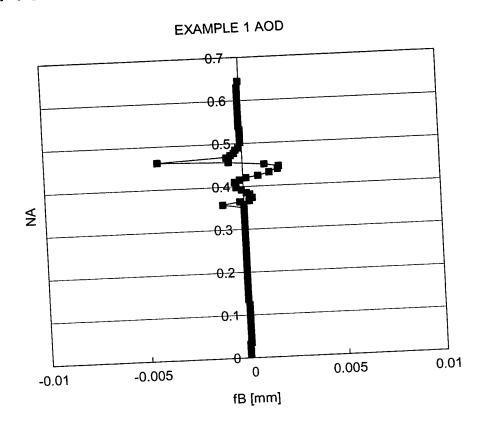


FIG. 18

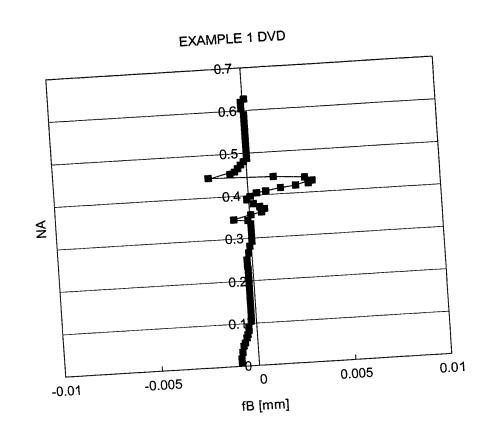


FIG. 19

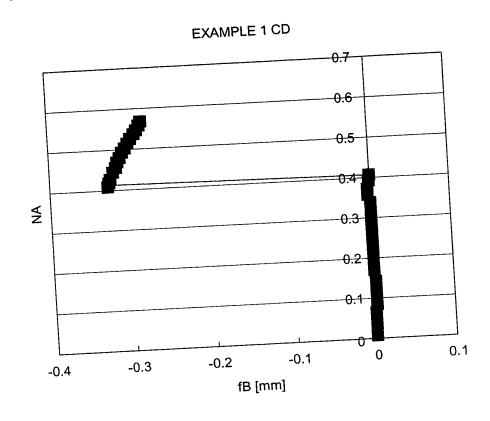
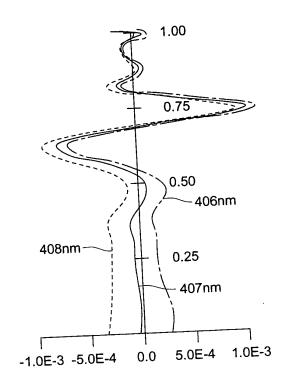


FIG. 20



# FIG. 21

### **EXAMPLE 2**

# WAVE-FRONT ABERRATION AND DIFFRACTION EFFICIENCY FOR EACH FORMAT

LITIOILITO					
ſ		ADD	DVD	CD	
	WAVE-FRONT	0.011 λ rms	0.022 λ rms	0.033 λ rms	
ABERRATION DIFFRACTION EFFICIENCY	99%	91%	46%		

FIG. 22



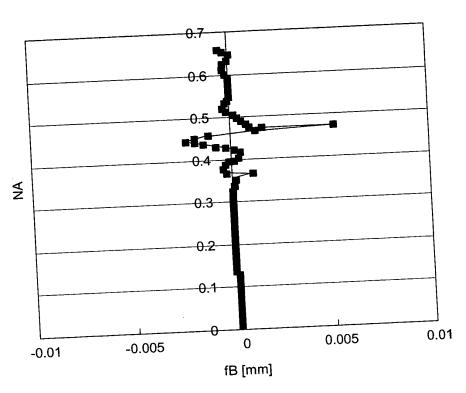


FIG. 23



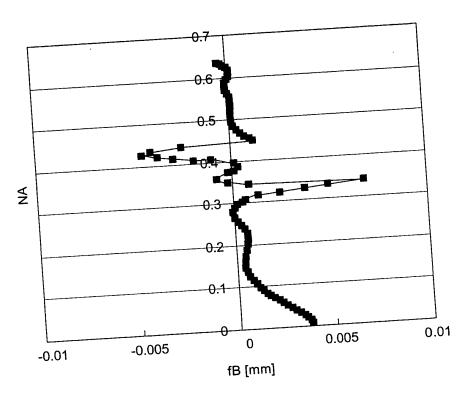


FIG. 24



